



APICAL INDUSTRIES, INC.  
dba DART AEROSPACE

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

ENGINEERING CHANGE NOTICE NO.

05352

SHEET 1 OF 1

DWG NO. 647.1700

REV: D

PREPARED BY J. BECKER

DATE: 03/21/16

EFFECT ON DWG  
☒ INC. ☐ UNINC.

DWG TITLE: SKID DEFLECTOR ASSY

APPROVED BY:

ENGR

MFG

QC

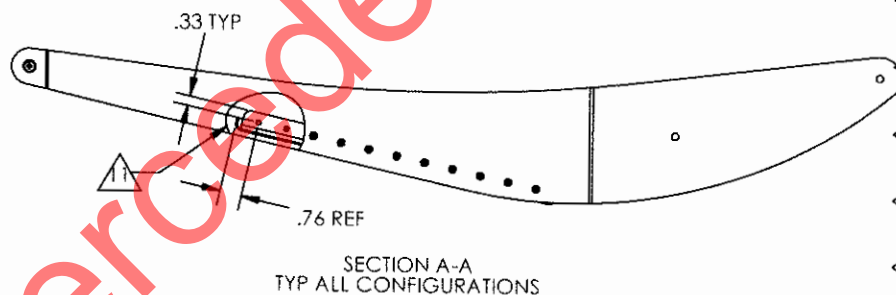
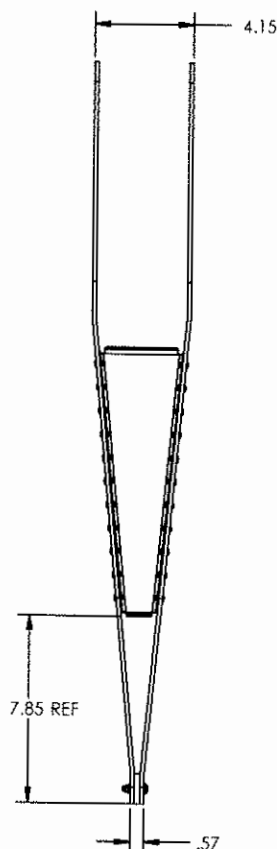
EFF. CURRENT STOCK

REASON: REVISED VIEWS ON PAGE 2.

ECR: N/A

ACTION ITEM:  
1.

**SHEET 2 WAS:**



DOCUMENTS EFFECTED:

☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY  
☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED  
☒ YES ☐ NO

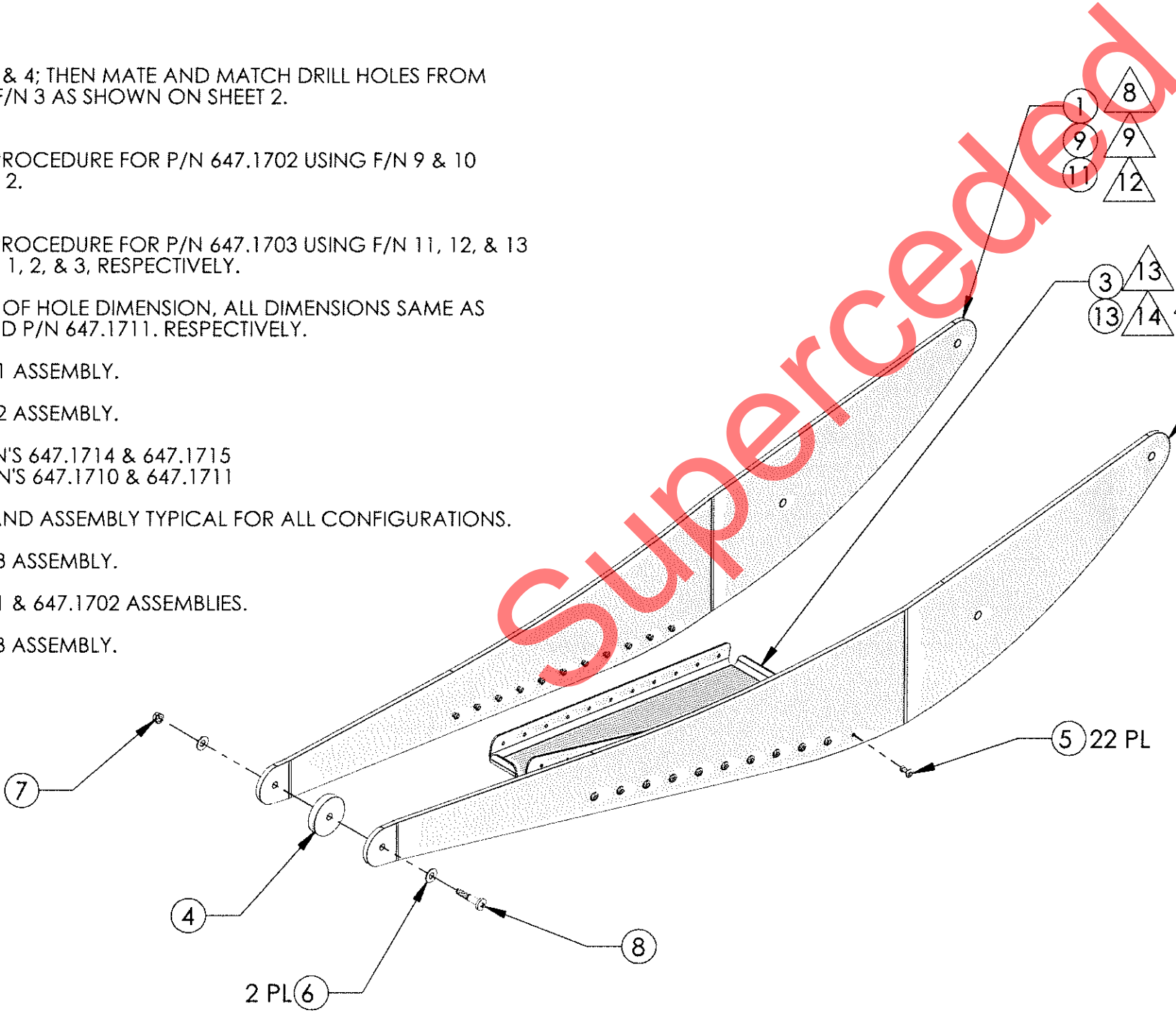
1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR2		N/C
N/C	INITIAL RELEASE	08/05/09	P. BRAVO
A	INCORPORATED ECN'S 02937 & 03921	06/07/13	P. BRAVO
B	INCORPORATED ECN 03970	07/03/13	P. BRAVO
C	INCORPORATED ECN 04058	08/14/13	P. BRAVO
D	INCORPORATED ECN'S 04679, 04702 & 04964	05/29/15	P. BRAVO
E	INCORPORATED ECN 05352	03/21/16	P. BRAVO

NOTES:

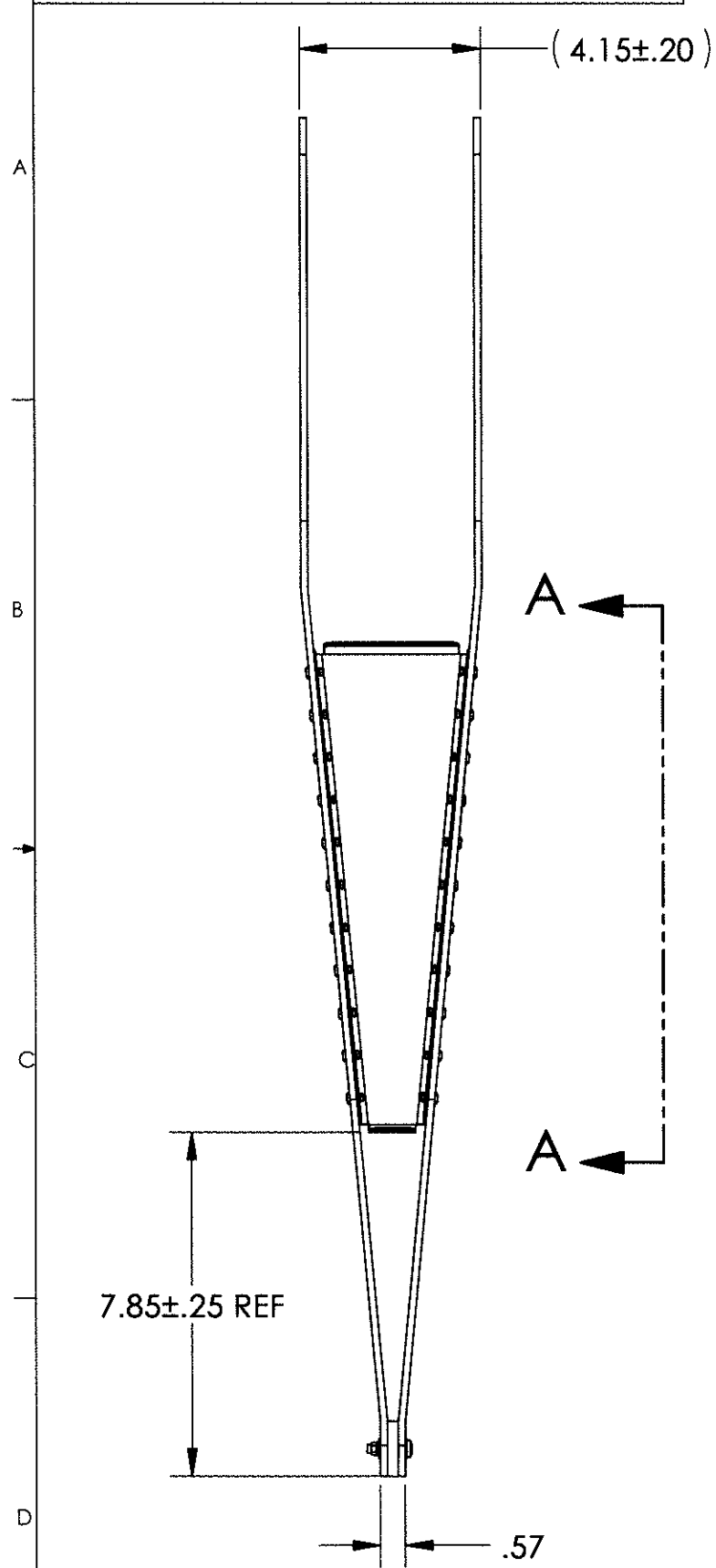
- 1 MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-250/12.
- 2 MATERIAL: 6061-T6 ALUMINUM BAR IAW AMS-QQ-A-250/11.
- 3 FINISH IAW MPP-172, SECTIONS 2.1, 3.1, & 4.2.
4. DEBURR AND BREAK ALL SHARP EDGES.
5. IDENTIFY IAW MPP-120.
- 6 P/N 647.1701:  
CLAMP F/N 1, 2, & 4; THEN MATE AND MATCH DRILL HOLES FROM F/N 1 & 2 ONTO F/N 3 AS SHOWN ON SHEET 2.
- P/N 647.1702:  
FOLLOW SAME PROCEDURE FOR P/N 647.1702 USING F/N 9 & 10 IN PLACE OF 1 & 2.
- P/N 647.1703:  
FOLLOW SAME PROCEDURE FOR P/N 647.1703 USING F/N 11, 12, & 13 IN PLACE OF F/N 1, 2, & 3, RESPECTIVELY.
- 7 WITH EXCEPTION OF HOLE DIMENSION, ALL DIMENSIONS SAME AS P/N 647.1710 AND P/N 647.1711. RESPECTIVELY.
- 8 FOR P/N 647.1701 ASSEMBLY.
- 9 FOR P/N 647.1702 ASSEMBLY.
- 10 .323" DIA FOR P/N'S 647.1714 & 647.1715  
.257" DIA FOR P/N'S 647.1710 & 647.1711
- 11 RIVET SPACING AND ASSEMBLY TYPICAL FOR ALL CONFIGURATIONS.
- 12 FOR P/N 647.1703 ASSEMBLY.
- 13 FOR P/N 647.1701 & 647.1702 ASSEMBLIES.
- 14 FOR P/N 647.1703 ASSEMBLY.



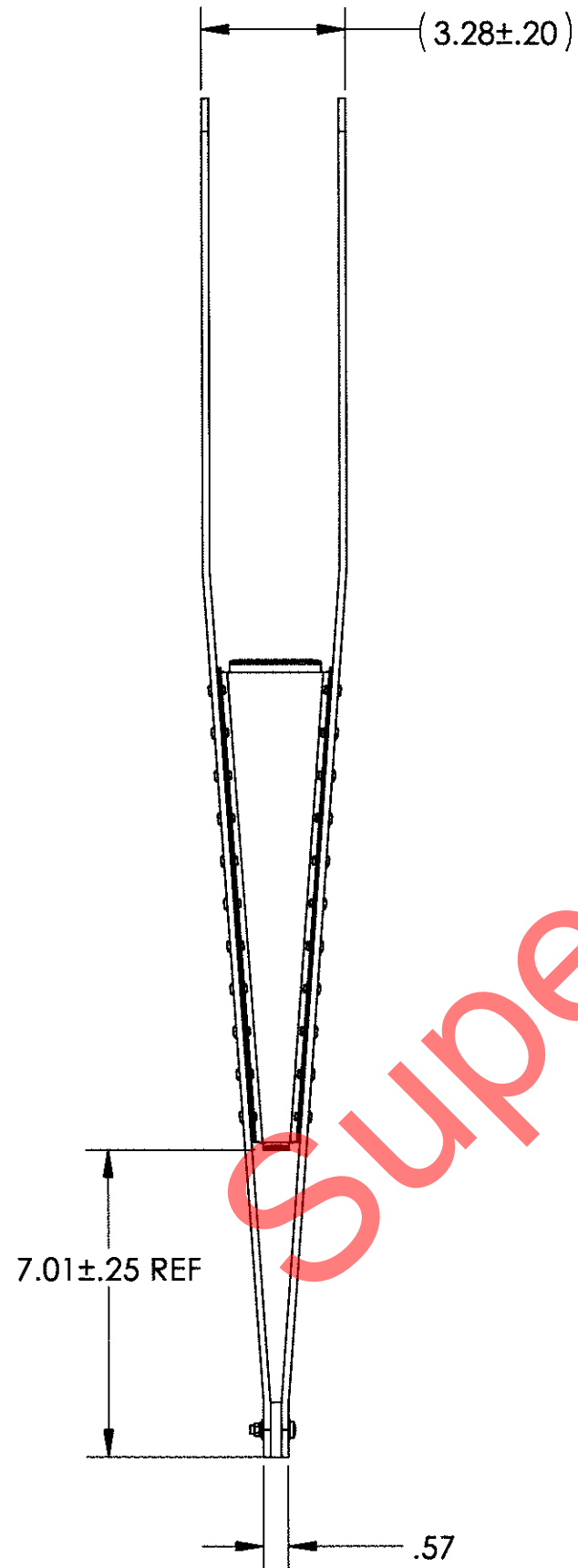
1			13	647.1718	GUSSET		
1			12	647.1717	PLATE		
1			11	647.1716	PLATE		
	1		10	647.1715	PLATE		
	1		9	647.1714	PLATE		
1	1	1	8	601.1622	SCREW	MS27039-1-14	
1	1	1	7	601.2943	LOCKNUT	MS21042-3	
2	2	2	6	601.1607	WASHER	NAS1149F0332P	
22	22	22	5	601.1915	RIVET	CR3213-4-4	
1	1	1	4	647.1713	SPACER		
	1	1	3	647.1712	GUSSET		
		1	2	647.1711	PLATE		
		1	1	647.1710	PLATE		
X				647.1703	SKID DEFLECTOR ASSY		
	X			647.1702	SKID DEFLECTOR ASSY		
		X		647.1701	SKID DEFLECTOR ASSY		
.1703	.1702	.1701	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST					
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 08-05-09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APCAL INDUSTRIES, INC. dba DART AEROSPACE			
647.1300		DRAWN BY S. HUFF	CHECKER P. BRAVO				
		DRAWING APPROVAL P. BRAVO 08/05/09					
		CONTRACT No.					
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SKID DEFLECTOR ASSY			
SIZE	B	CAGE CODE	07MZ6	DWG. NO.	647.1700	REV.	E
SCALE NONE				SHEET 1 OF 7			

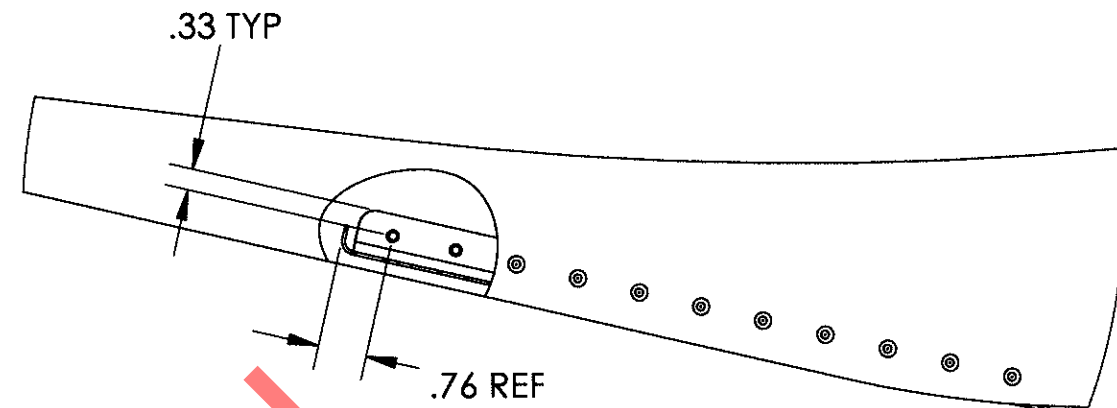
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647.1701 & 647.1702

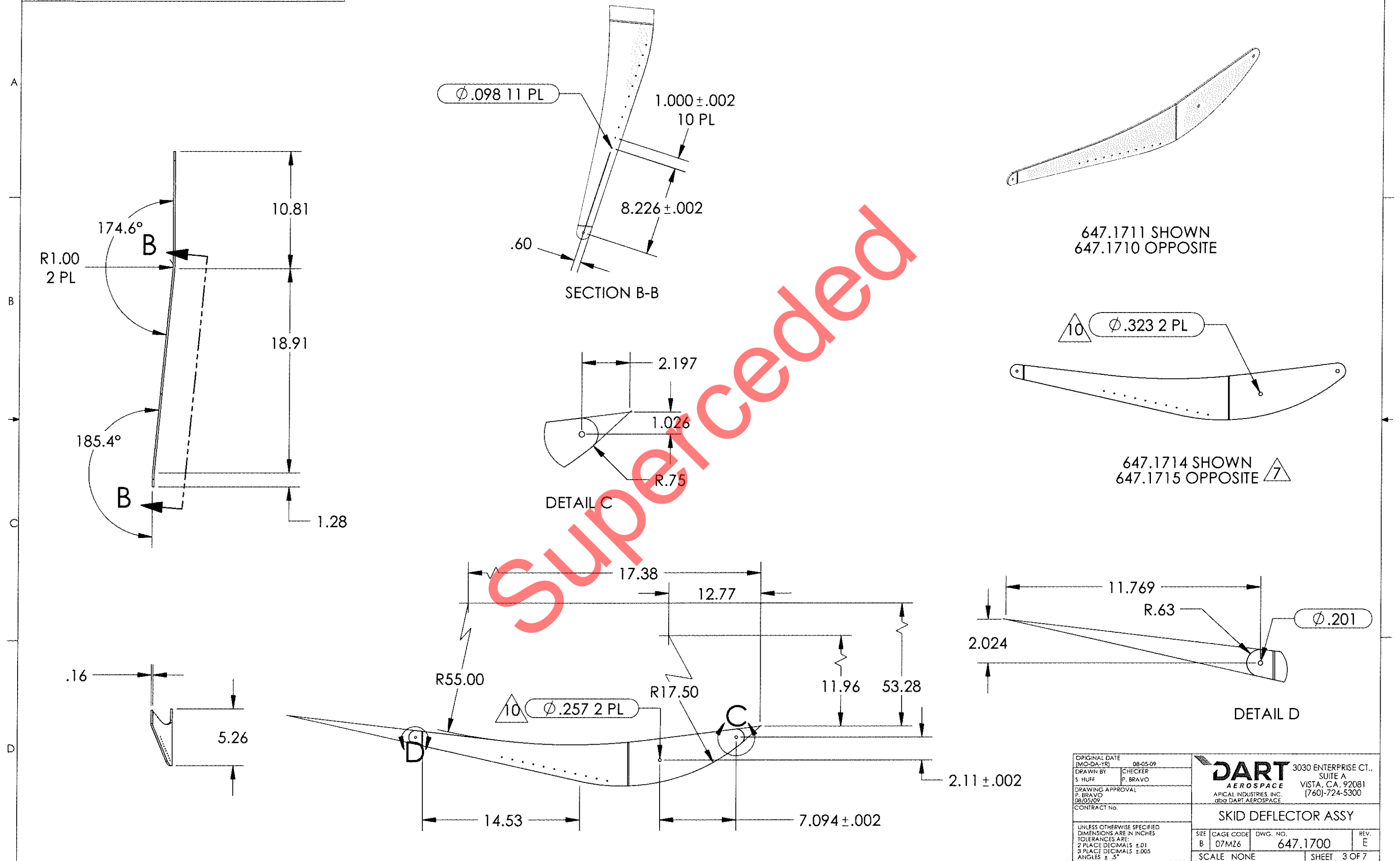


647.1703




ORIGINAL DATE (MO-DA-YR) 08-05-09		 <b>DART</b> AEROSPACE 3030 ENTERPRISE CT. SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY S. HUFF	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 08/05/09			
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SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1700	REV. E
SCALE NONE		SHEET 2 OF 7	

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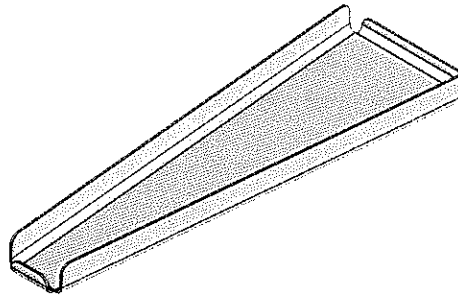
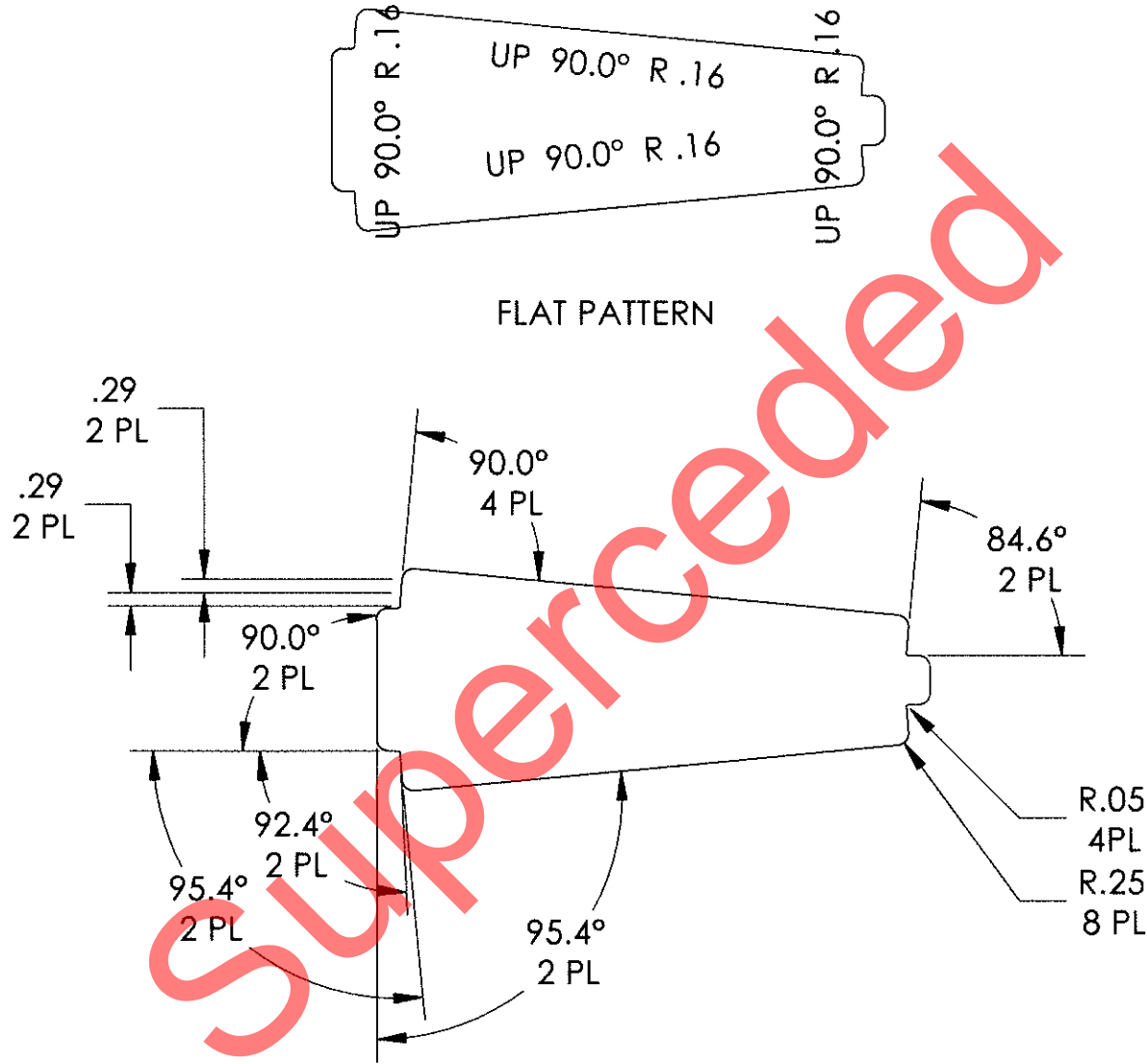
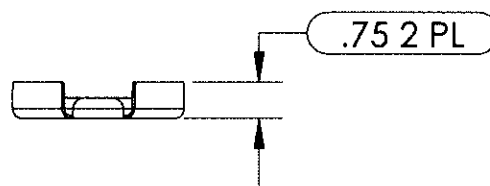
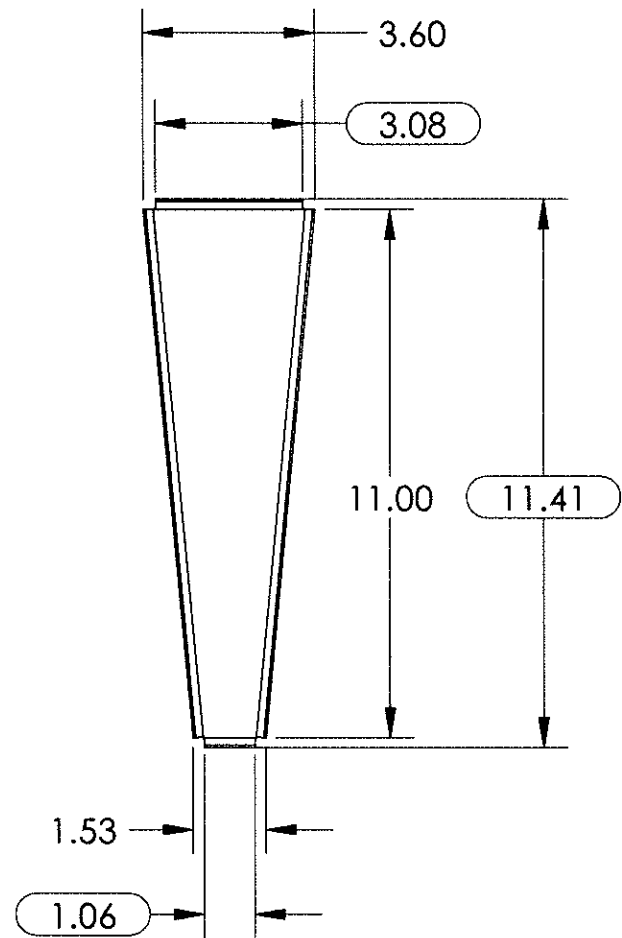


647.1711 SHOWN  
647.1710 OPPOSITE

647.1714 SHOWN  
647.1715 OPPOSITE

ORIGINAL DATE (MO-DA-YR) 08-05-09		 <b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY S. HUFF	CHECKER P. BRAVO		
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SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1700	REV. E
SCALE NONE		SHEET 3 OF 7	

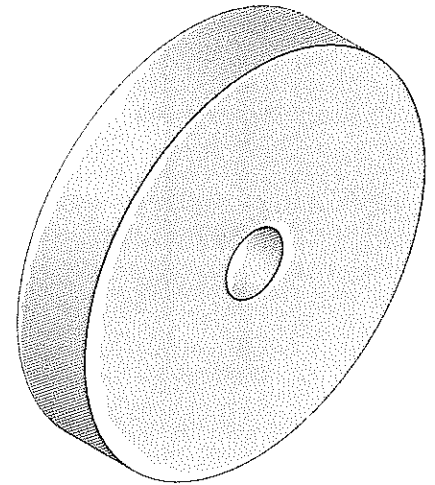
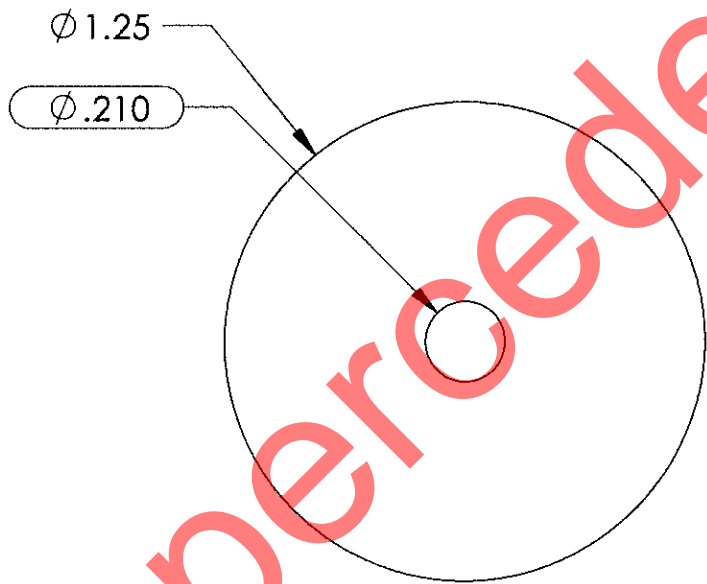
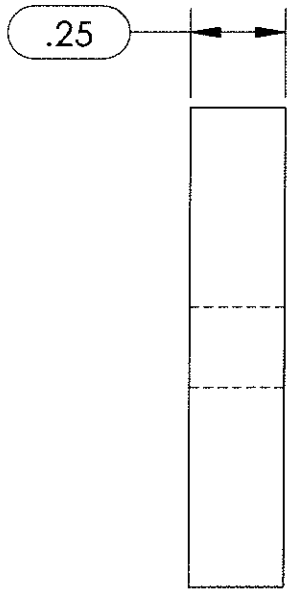
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647.1712

ORIGINAL DATE (MO-DA-YR) 08-05-09		<b>DART</b> 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY S. HUFF	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 08/05/09		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT NO.		SKID DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. E
		CAGE CODE 07MZ6	DWG. NO. 647.1700
		SCALE NONE	SHEET 4 OF 7

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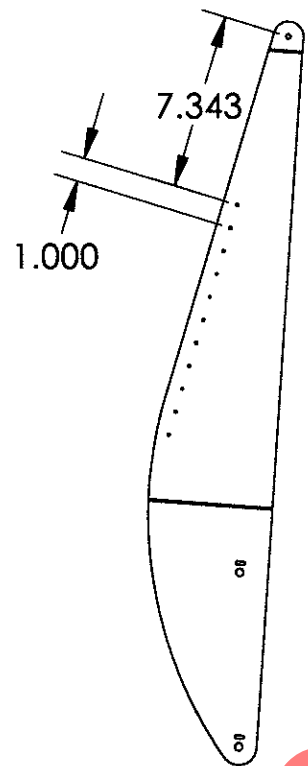
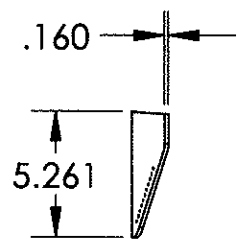
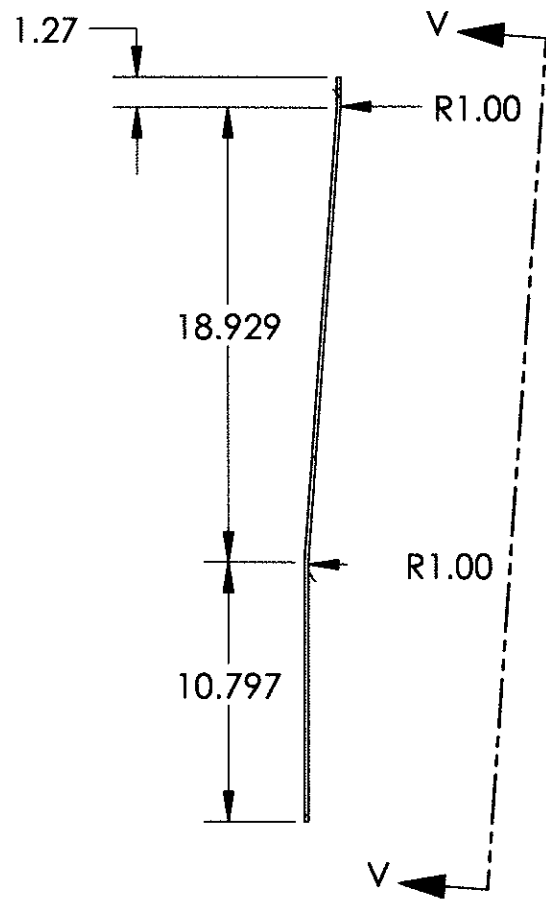


647.1713

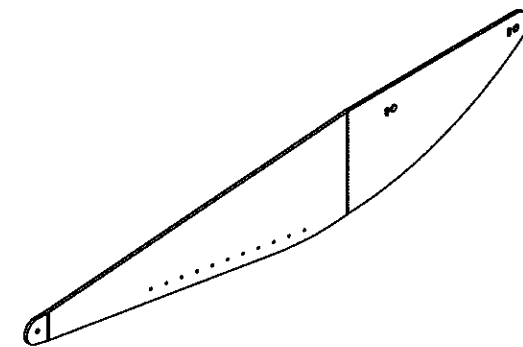
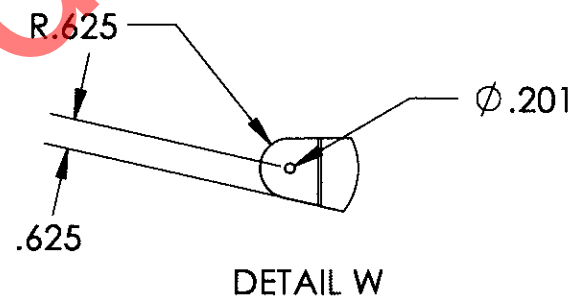
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SCALE NONE				SHEET 5 OF 7			



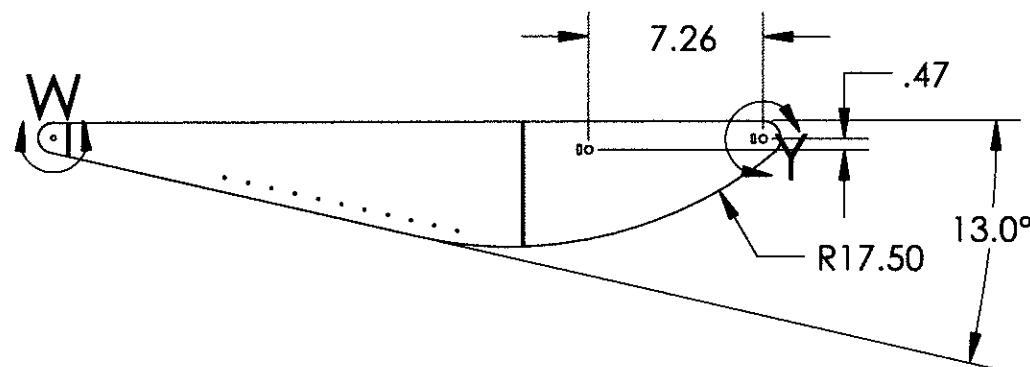
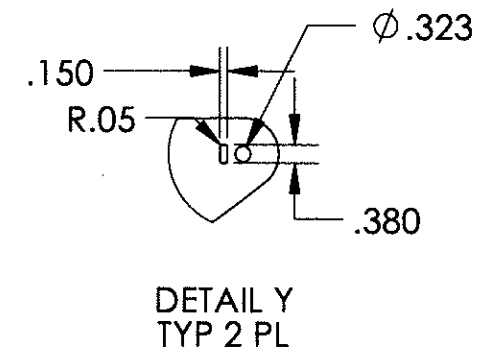
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VIEW V-V

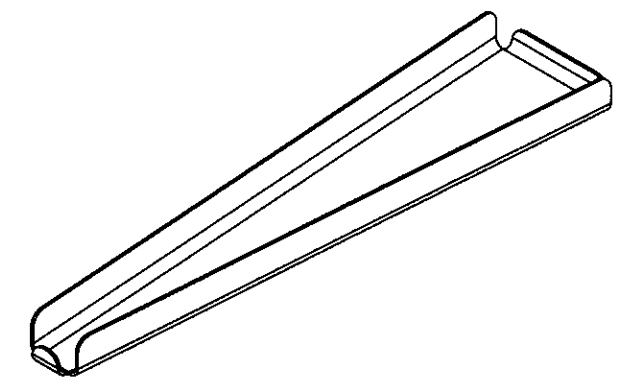
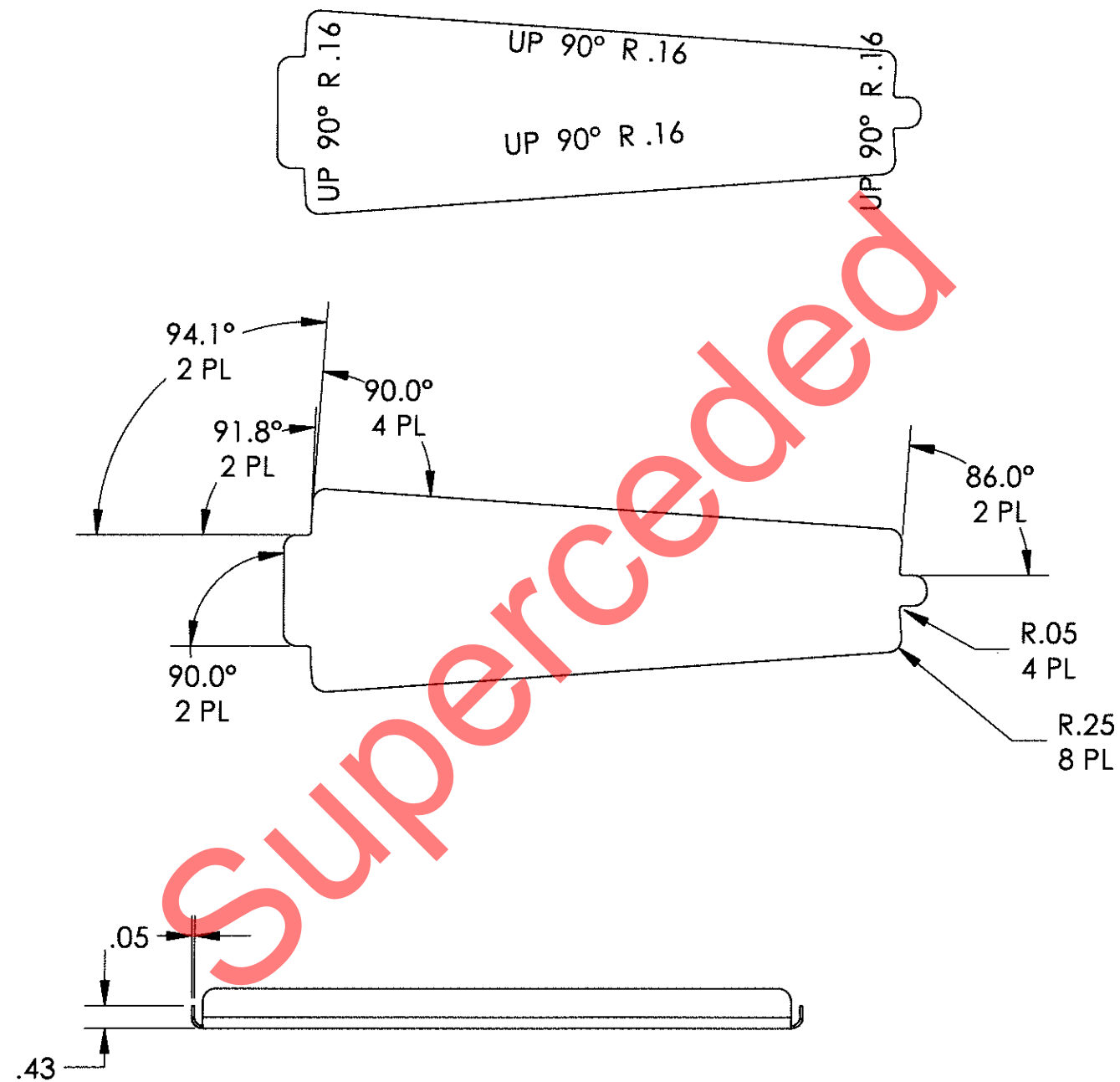
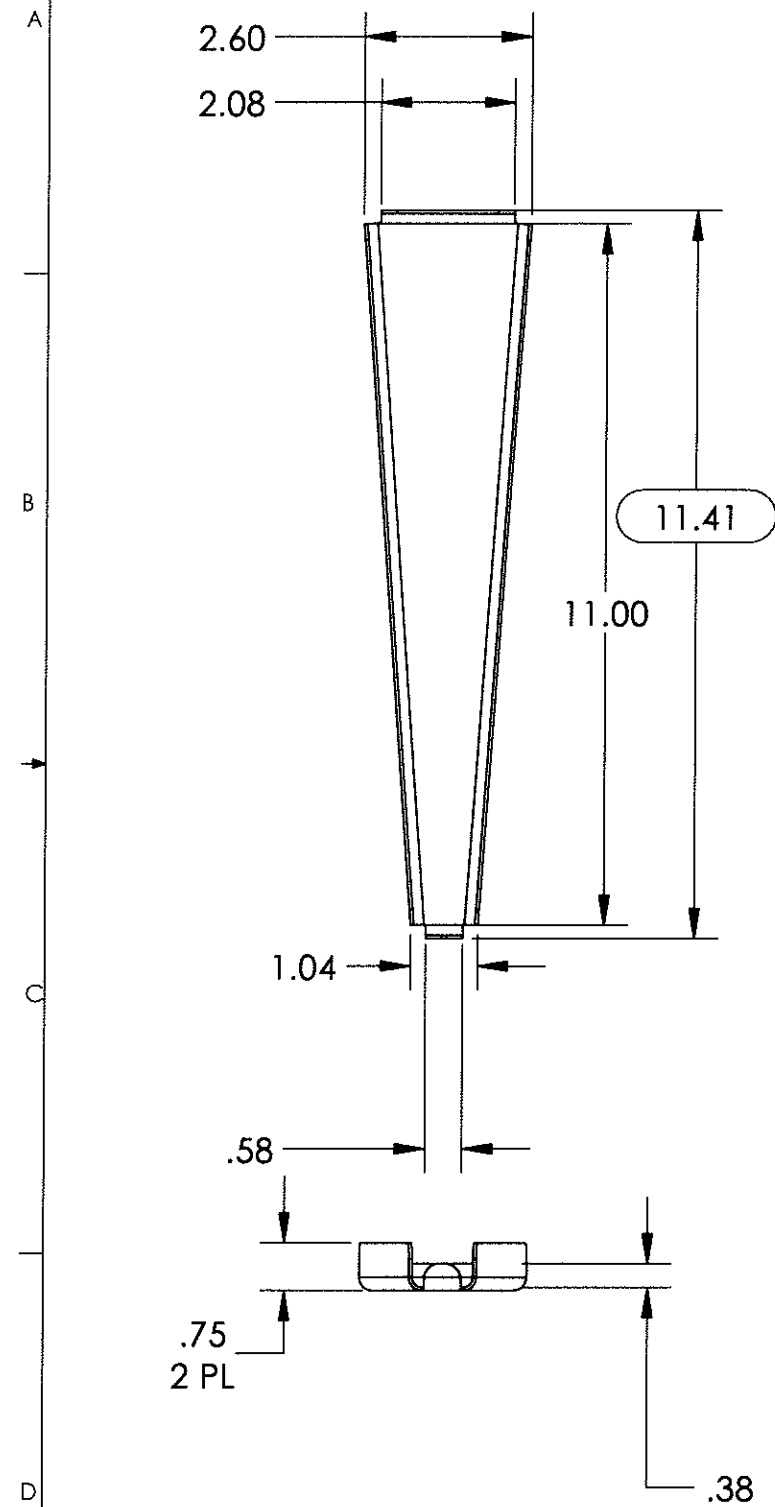


647.1716 SHOWN  
647.1717 OPPOSITE




ORIGINAL DATE [MO-DA-YR] 08-05-09		 <b>DART</b> 3030 ENTERPRISE CT., AEROSPACE SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. (760)-724-5300 dbg DART AEROSPACE	
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SKID DEFLECTOR ASSY			
SIZE B	CAGE CODE 07M26		
SCALE NONE		SHEET 6 OF 7	

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647.1718

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DRAWN BY S. HUFF	CHECKER P. BRAVO	APICAL INDUSTRIES, INC. dba DART AEROSPACE			
DRAWING APPROVAL P. BRAVO 08/05/09		SKID DEFLECTOR ASSY			
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		SCALE NONE			SHEET 7 OF 7